IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Sumeet Sandhu et al.

Title:

MULTICARRIER RECEIVERS AND METHODS FOR SEPARATING TRANSMITTED

SIGNALS IN A MULTIPLE ANTENNA SYSTEM

Docket No.:

884.B51US1

Filed:

March 30, 2004

Examiner:

Unknown

Serial No.: 10/814,095

Due Date: N/A

Group Art Unit: 3662

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

X Return postcard.

X Communication Concerning Related Applications (1 pg.).

X Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 7 cited documents, including the International Search Report for corresponding PCT Application No. PCT/US2005/001206 (4 pgs.).

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

Atty: Ann M. McCrackin

Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 17/14 day of March, 2006.

Name

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

10/814,095 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Sumeet Sandhu et al.

Examiner: Unknown

Serial No.:

10/814,095

Group Art Unit: 3662

Filed:

March 30, 2004

Docket: 884.B51US1

Title:

MULTICARRIER RECEIVERS AND METHODS FOR SEPARATING

TRANSMITTED SIGNALS IN A MULTIPLE ANTENNA SYSTEM

Assignee:

Intel Corporation

Customer No.: 21186

COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

Serial/Patent No. 10/789,387	Filing Date February 26, 2004	Attorney Docket Intel P16330	Title AN APPARATUS AND ASSOCIATED METHODS TO INTRODUCE DIVERSITY IN A MULTICARRIER CHANNEL
60/536,071	January 12, 2004	Intel P18618Z	A SYSTEM APPARATUS AND ASSOCIATED METHODS FOR HIGH THROUGHPUT WIRELESS NETWORKING

Respectfully submitted, SUMEET SANDHU ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Attorneys for Intel Corporation

P.O. Box 2938

Minneapolis, MN 55402

(612) 349-9592

Date March 15 2006

By Conn 911. 91/c Cea

Ann M. McCrackin Reg. No. 42,858

<u>CERTIFICATE UNDER 37 CFR 1.8:</u> The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this <u>177</u>uday of March, 2006.

Name

/Signature

XN 10/814,095

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

olicant: Sumeet Sandhu et al. Examiner:

Unknown

Serial No.:

10/814,095

Group Art Unit:

3662

Filed:

March 30, 2004

Docket:

884.B51US1

Title:

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MULTICARRIER RECEIVERS AND METHODS FOR SEPARATING

TRANSMITTED SIGNALS IN A MULTIPLE ANTENNA SYSTEM

Assignee:

Intel Corporation

Customer Number: 21186

INFORMATION DISCLOSURE STATEMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

The documents, cited on the attached 1449, were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information is a copy of the cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Customer No.: 21186 Serial No :10/814,095 Filing Date: March 30, 2004 Dkt: 884.B51US1 (INTEL)

Page 2

Title: MULTICARRIER RECEIVERS AND METHODS FOR SEPARATING TRANSMITTED SIGNALS IN A MULTIPLE ANTENNA

SYSTEM

Assignee: Intel Corporation

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

SUMEET SANDHU ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. Attorneys for Intel Corporation P.O. Box 2938 Minneapolis, MN 55402 (612) 349-9592

Date March 15 2006

Ann M. McCrackin

Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 12 day of March, 2006.

PTO/SB/08A(10-01)
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US Patent & Trademark Office: US. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unriess it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 10/814,095 STATEMENT STATEMENT (Use as many sheets as necessary) March 30, 2004 **Filing Date** Sandhu, Sumeet **First Named Inventor** MAR 2 0 2006 **Group Art Unit** 3662 **Examiner Name** Unknown Attorney Docket No: 884.B51US1 Sheet 1 of 1

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²		
<u> </u>	WO-2005/069572A1	07/28/2005	Sandhu, S., et al.			

OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS				
Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
	"International Search Report for corresponding PCT Application No. PCT/US2005/001206", (Attorney Docket No. 884.B51WO1),(June 24, 2005),			
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	(GLOBECOM '03), 7(7), (December 1, 2003), 2258-2262			
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EXAMINER

DATE CONSIDERED